

FIG. 1

661' ATCAGTATCCTTGAATCGAAACCTTTTCTGAGTATTTAACAATCGCACCTTTAAAAAA

1" CTGAGTATTTAACAATCGCACCTTTAAAAAA
721' TGTAC-ATAGACATTAAGAGACTTAAACAGATATATAATCATTTTAAATTAATAATAGCGT

33" TGTACAATAGACATTAAGAGACTTAAACAGATATATAATCATTTTAAATTAATAATAGCGT
780' TAAACAGTACCTCAAGCTCAATAAGCATTTTAAAGTATTCTAATCTTAGTATTTCTCTAGC

93" TAAACAGTACCTCAAGCTCAATAAGCATTTTAAAGTATTCTAATCTTAGTATTTCTCTAGC
840' TGACATGTAAGAAGCAATCTATCTTATTGTATGCAATTAGCTCTTTGTGTGGATAAAAAG

153" TGACATGTAAGAAGCAATCTATCTTATTGTATGCAATTAGCTCATTGTGTGGATAAAAAG
900' GTAAACCATTTCTGAAACAGGAAACCAATACACTTCCTGTTAATCAACAAATCTAAACA

213" GTAAACCATTTCTGAAACAGGAAACCAATACACTTCCTGTTAATCAACAAATCTAAACA
960' TTTATTCTTTTCATCTGTTTACTCTTGCTCTTGCTCCACCACAATATGCTATTCACATGTT

273" TTTATTCTTTTCATCTGTTTACTCTTGCTCTTGCTCCACCACAATATGCTATTCACATGTT
1020' CAGTGTAGTTTTATGACAAAGAAAATTTTCTGAGTTACTTTTGTATCCCCACCCCTTAA

333" CAGTGTAGTTTTAGGACAAAGAAAATTTTCTGAGTTACTTTTGTATCCCCACCCCTTAA
1080' AGAAAGGAGGAAAAACTGTTTCATACAGAAGGCGTTAATTGCATGAATTAGAGCTATCAC

393" AGAAAGGAGGAAAAACTGTTTCATACAGAAGGCGTTAATTGCATGAATTAGAGCTATCAC
1140' CTAAGTGTGGGCTAATGTAACAAAGAGGGATTTCACCTACATCCATTCACTCAGTCTTTG

453" CTAAGTGTGGGCTAATGTAACAAAGAGGGATTTCACCTACATCCATTCACTCAGTCTTTG
1200' GGGGTTTAAAGAAATTCAAAGAGTCATCAGAAGAGGAAAAATGAAGGTAATGTTTTTC

513" GGGGTTTAAAGAAATTCAAAGAGTCATCAGAAGAGGAAAAATGAAGGTAATGTTTTTC
1260' AGACTGGTAAAGTCTTTGAAAATATGTGTAATATGTAAAACATTTTGACACCCCATAT

573" AGACAGGTAAAGTCTTTGAAAATATGTGTAATATGTAAAACATTTTGACACCCCATAT
1320' ATTTTCCAGAATTAACAGTATAAATTGCATCTCTTGTTCAAGAGTTCCCTATCA-CTC

633" ATTTTCCAGAATTAACAGTATAAATTGCATCTCTTGTTCAAGAGTTCCCTATCACTCTC
1378' TTTAATCACTACTCACAGTAACCTCAACTCCTGCCACAATGTACAGGATGCAACTCCTGT

693" TTTAATCACTACTCACAGTAACCTCAACTCCTGCCACAA

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FIG. 2

901' TAAAACCATTTCTGAAACAGGAAACCAATACACTTCCTGTTTAATCAACAAATCTAAACAT
1" GGGNNNNNGGNGATCCTCTACCACTATAGGGCGAATTGAATTTAGCG
961' TTATTCTTTTCATCTGTTTACTCTTGCTCTTGCTCCACCACAATATGCTATTCACATGTTT

49" GCCGCGANTTCGCCCTTCGCTAGCTGCTCTTGCTCCACCACAATATGCTATTCACATGTTT
1021' AGTGTAGTTTTATGACAAAGAAAATTTTCTGAGTTACTTTTGATCCCCACCCCTTAAA

109" AGTGTAGTTTTAGGACAAAGAAAATTTTCTGAGTTACTTTTGATCCCCACCCCTTAAA
1081' GAAAGGAGGAAAACTGTTTCATACAGAAGGCGTTAATTGCATGAATTAGAGCTATCACC

169" GAAAGGAGGAAAACTGTTTCATACAGAAGGCGTTAATTGCATGAATTAGAGCTATCACC
1141' TAAGTGTGGGCTAATGTAACAAAGAGGGATTTACCTACATCCATTCAGTCAGTCTTTGG

229" TAAGTGTGGGCTAATGTAACAAAGAGGGATTTACCTACATCCATTCAGTCAGTCTTTGG
1201' GGGTTTAAAGAAATTCCAAAGAGTCATCAGAAGAGGAAAAATGAAGGTAATGTTTTTCA

289" GGGTTTAAAGAAATTCCAAAGAGTCATCAGAAGAGGAAAAATGAAGGTAATGTTTTTCA
1261' GACTGGTAAAGTCTTTGAAAATATGTGTAATATGTAAACATTTTGACACCCCCATAATA
*** *****
349" GACAGGTAAAGTCTTTGAAAATATGTGTAATATGTAAACATTTTGACACCCCCATAATA
1321' TTTTCCAGAATTAACAGTATAAATTGCATCTCTTGTTCAAGAGTTCCTATCA—CTCT

409" TTTTCCAGAATTAACAGTATAAATTGCATCTCTTGTTCAAGAGTTCCTATCACTCTCT
1379' TTAATCACTACTCACAGTAACCTCAACTCCTGCCACAATGTACAGGATGCAACTCCTGTC

469" TTAATCACTACTCACAGTAACCTCAACTCCTGCCACAAGCTTCGAAGGGCGAATTCGTT

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FIG. 3

5281' GCCTCTGTCTCTCCCACTCCACCCCTTTCTCTTCTACCTATCCCACTCCTCGAGGAATCATCCCTGGCTCCCACTCA

1" TGCCTCTTTACTATAGGGCGAATTGAATTTAGCGGCCGCGAATTCCGCCCTTGATCTATCCCTGGCTCCCACTCA
5361' GTTTCGGCTCCAAGGCAGCATGGCGGGCAAGAAGTTGAGGCCACTGTCCCTGGGTGTTCTACCCCAACCCCTCACC

76" GTTTCGGCTCCAAGGCAGCATGGCGGGCAAGAAGTTGAGGCCACTGTCCCTGGGTGTTCTACCCCAACCCCTCACC
5441' CCAAGACAGCCTGTTACTGCGGCGCCAACAGCCACGGTCGCCTACATCTGATAAGACTTATCTGCTGCCCCAGGGCAGGC

156" CCAAGACAGCCTGTTACTGCGGCGCCAACAGCCACGGTCGCCTACATCTGATAAGACTTATCTGCTGCCCCAGGGCAGGC
5521' CGGAGCTGGCGTAAGCCCCAGTGGGGCGCTAAGTGAGTGTGCCCTGCCCTCCCGCCAGCACTGGCCTGGCCTGCAGGCTT

236" CGGAGCTGGCGTAAGCCCCAGTGGGGCGCTAAGTGAGTGTGCCCTGCCCTCCCGCCAGCACTGGCCTGGCCTGCAGGCTT
5601' AGCCTGGGTCAATCAAGGTATCCCAAGGCTCTAGTTCAAATCCAGCAGAACCTCTCTGAGCCTCACTCTTCTCACCTGCA

316" AGCCTGGGTCAATCAAGGTATCCCAAGGCTCTAGTTCAAATCCAGCAGAACCTCTCTGAGCCTCACTCTTCTCACCTGCA
5681' AAATGGGTACAGCCACATCCCTTCTCTCCCTGCAGCCAGGAAGACGCACATACACAGGAGTCTAGCCACACCGGCCCCG

396" AAATGGGTACAGCCACATCCCTTCTCTCCCTGCAGCCAGGAAGACGCACATACACAGGAGTCTAGCCACACCGGCCCCG
5761' CACAAATTAAGGGCTTTACTCTCTGAAAAGCCAGTGAAGTCATGAAACCATATCTGCTATTTTCATTTATCTTGTTTC

476" CACAAATTAAGGGCTTTACTCTCTGAAAAGCCAGTGAAGTCATGAAACCATATCTGCTATTTTCATTTATCTTGTTTC
5841' AGCCTATTTTGCTTGTCTGGACACTACAGTCCACGGGAGCCTAGGTCCAGCGAGGTCCAAGAATCCCCAGGGTGGGCAGG

556" AGCCTATTTTGCTTGTCTGGACACTACAGTCCACGGGAGCCTAGGTCCAGCGAGGTCCAAGAATCCCCAGGGTGGGCAGG
5921' GAGGGTGGAAGAGGGCCTCCAGTGCCCAAGAGGTGCCCCACAAGCATGGGACCCGCCCCCTCCCTGGACTGCCCCACCC

636" GAGGGTGGAAGAGGGCCTCCAGTGCCCAAGAGGTGCCCCACAAGCATGGGACCCGCCCCCTCCCTGGACTGCCCCACCC
6001' ACTGGGGCACCAGCCACTCCCTGGGAGGAGGGAGGAGGAGAAGGGAGGGAGGGAGGGAGGGAAGGGAGCCTCAAA

716" ACTGGGGCACCAGCCACTCCCTGGGAGGAGGGAGGAGGAGAAGGGAGGGAGGGAGGGAGGGAAGGGAGCCTCAAA
6081' GGCCAAGGCCAGCCAGGACACCCCTGGGATCACACTGAGCTTGCCACATCCCAAGGCGCCGAACCTCCGCAACCAC

796" GGCCAAGGCCAGCCAGGACACCCCTGGGATCACACTGAGCTTGCCACATCCCAAGGCGCCGAACCTCCGCAACCAC
6161' CAGCCAGGTCACTCTCAGCCCCAGAGAGCCCCACCAAGGCAACCTGGGCTGCTGCCCTACCTTATGCTTGCTC
876" CAAAGCTTATAAGGGCGAATTGCTT

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FIG. 4

2321' GTACAAATGCCATGGGGCCTGGACCAAGCAGGGGCTCTAGAACCCAGAAAGATGCCAGGAGGGAGTGAGCCAGTCAGGGA

1' TTATGGTACCACCCAGAAAGATGCCAGGAGGGAGTGAGCCAGTCAGGGA

2401' AGGCTTCGAGAAGAGAGGACATTGAAGAAGAGTCTCAAACCTTAGGCCTGACGGAGAAGACGGCGGCCAGGACACCCCA

50' AGGCTTCGAGAAGAGAGGACATTGAAGAAGAGTCTCAAACCTTAGGCCTGACGGAGAAGACGGCGGCCAGGACACCCCA

2481' CCCCCGCCCTCGTCTCCCCAAAGCCTGATCTGGCCCCACTGATTCCCTTATCTGCCCACTCCAGCTGCCTCCTTGCTG

130' CCCCCGCCCTCGTCTCCCCAAAGCCTGATCTGGCCCCACTGATTCCCTTATCTGCCCACTCCAGCTGCCTCCTTGCTG

2561' GCTGAACTGTGCGCGCAGACTTCTGAGCCTGCGCCCCCTCCACGGGGATGGGGGAGGGAATGGGGTGAGGCCTGGCCTCA

210' GCTGAACTGTGCGCGCAGACTTCTGAGCCTGCGCCCCCTCCACGGGGATGGGGGAGGGAATGGGGTGAGGCCTGGCCTCA

2641' CAGCCTCGGGGTTTCCAGCTCTTGCTGGAGGCAGGGCTCTGGGGCGCCCTACTCCTCACCCTTGGCTTCTTCTCCTGAGC

290' CAGCCTCGGGGTTTCCAGCTCTTGCTGGAGGCAGGGCTCTGGGGCGCCCTACTCCTCACCCTTGGCTTCTTCTCCTGAGC

2721' GCTCTGTGCTCTCCAGAAATGAAGAAATGGGGTGAGTCCAGCGGCCAAACCCTTGCTTCTAGCTCTTAGACATGCCTCGAG

370' GCTCTGTGCTCTCCAGAAATGAAGAAATGGGGTGAGTCCAGCGGCCAAACCCTTGCTTCTAGCTCTTAGACATGCCTCGAG

2801' CCTGCCATTCCCTGTGAGGACAGATTTCCTATGTTGCGACCGCTGCTTCTAATAATAATAATGATGATGATAATCCCA

450' CCTGCCATTCCCTGTGAGGACAGATTTCCTATGTTGCGACCGCTGCTTCTAATAATAATAATGATGATGATAATCCCA

2881' TTACAGAGCACACCATTTATGGTGTGCCAGCAGGCCCTGTGCTGAGTGGTTCTACCCAGTGGGGGGCTAGGACTTTA

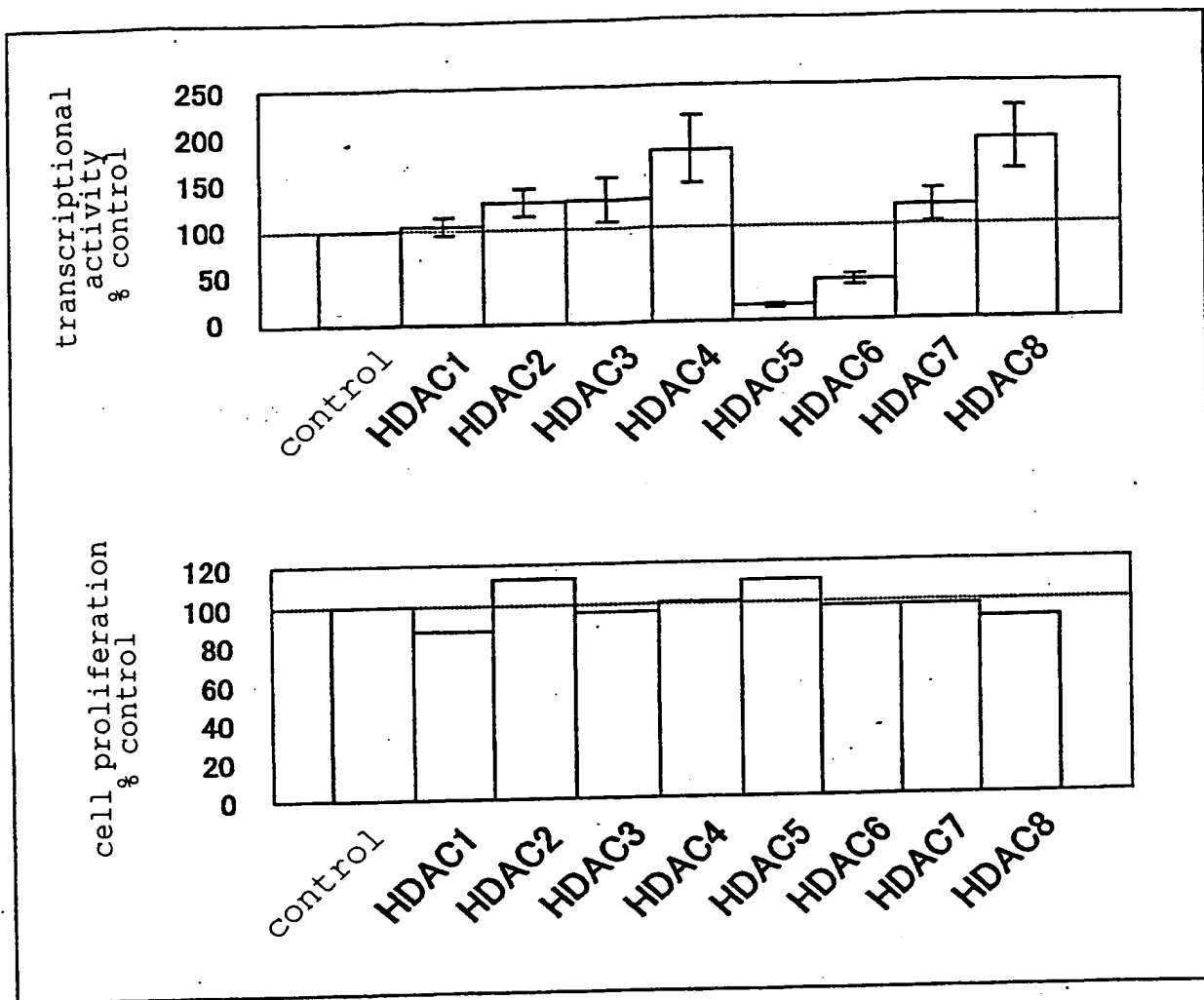
530' TTACAGAGCACACCATTTATGGTGTGCCAGCAGGCCCTGTGCTGAGTGGTTCTACCCAGTGGGGGGCTAGGACTTTA

2961' CCCGTTTTCCAGATGAAGAACTGAGGCTCAGAGGGCGTCTGGCCAGGAATCACACAGCAAATCACACAGCAAATCAGA

610' CCCGTTTTCCAGATGAAGAACTGAGGCTCAGAGGGCGCTAGCATAAGGGC

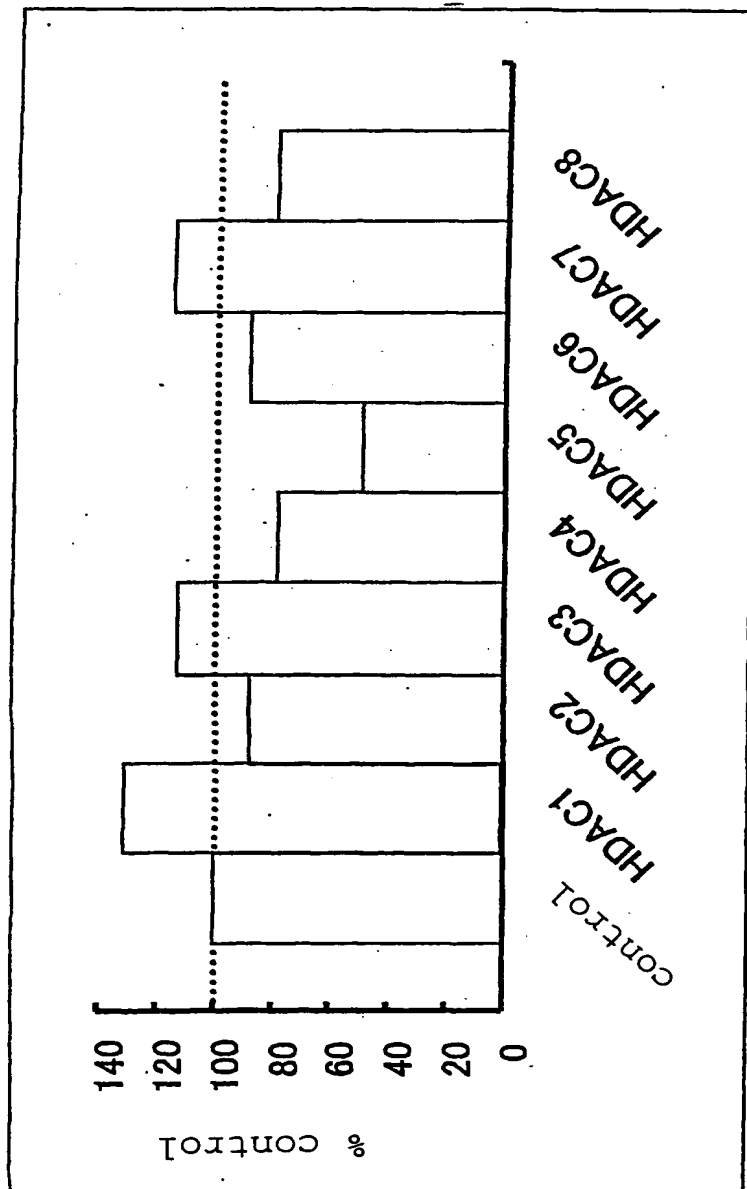
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FIG. 5



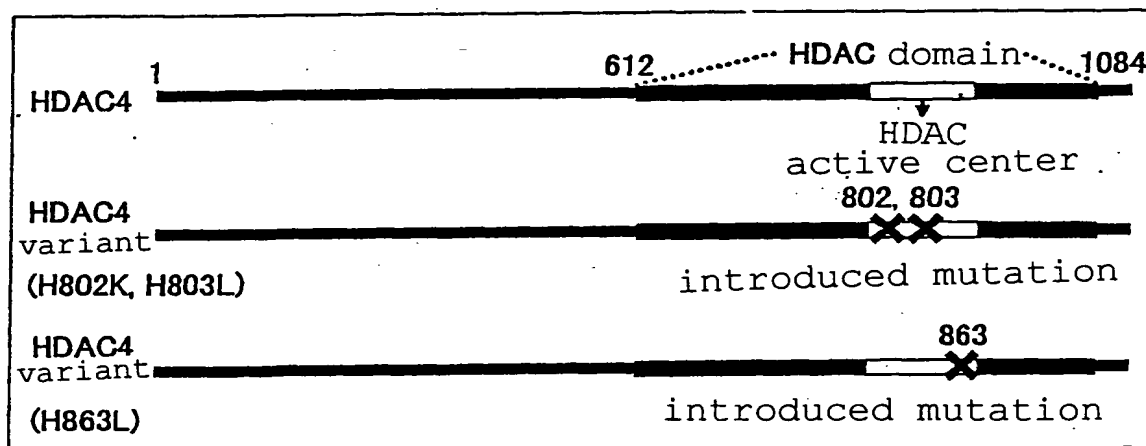
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FIG. 6



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FIG. 7



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FIG. 8

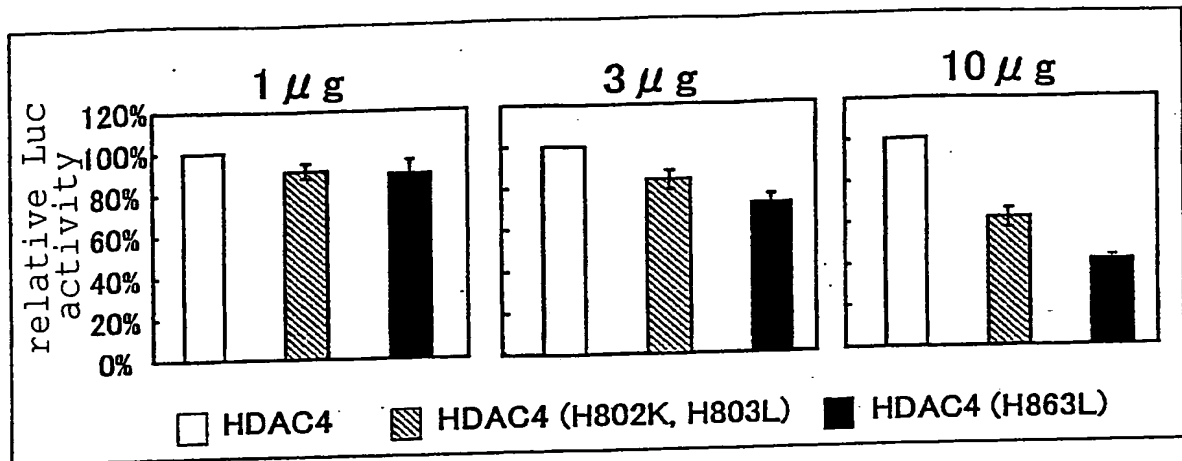
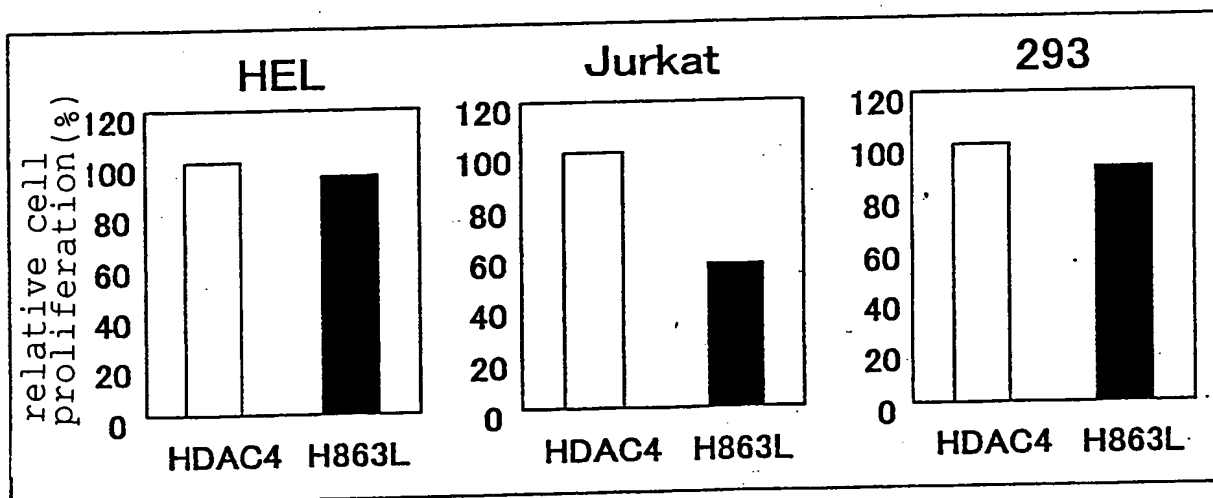


FIG. 9



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FIG. 10

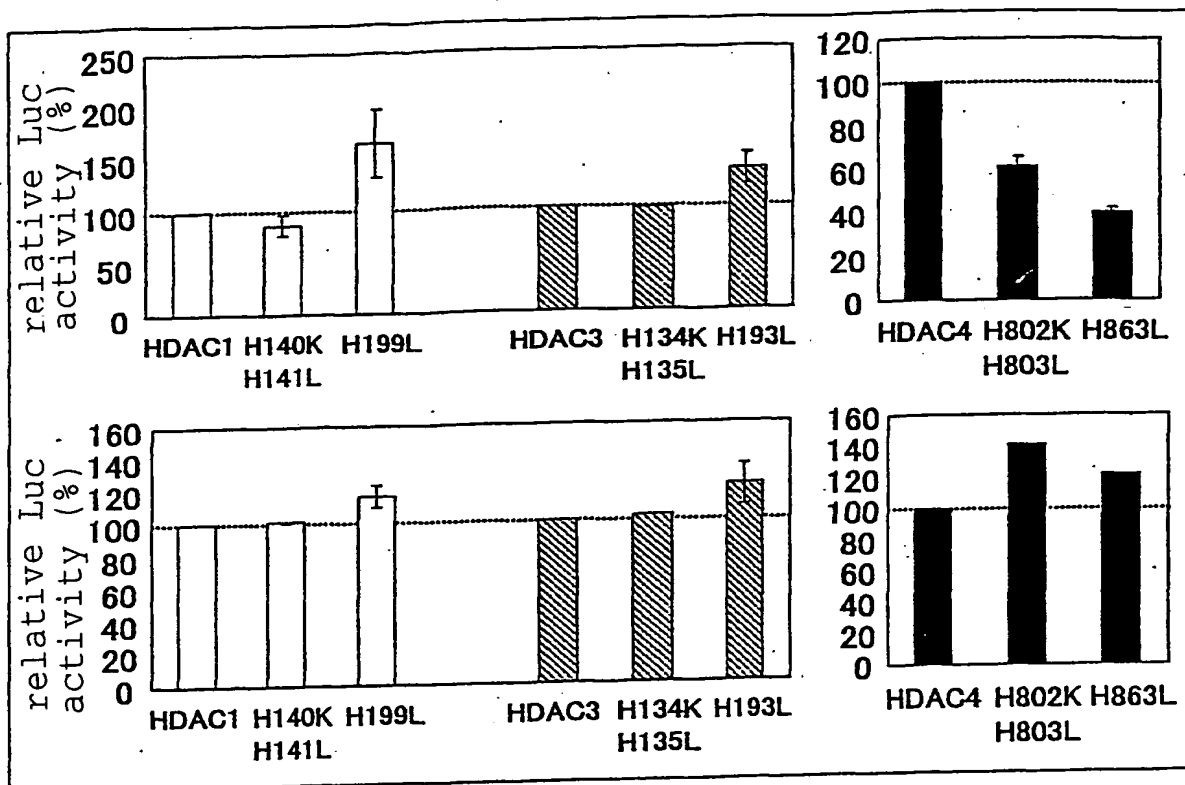
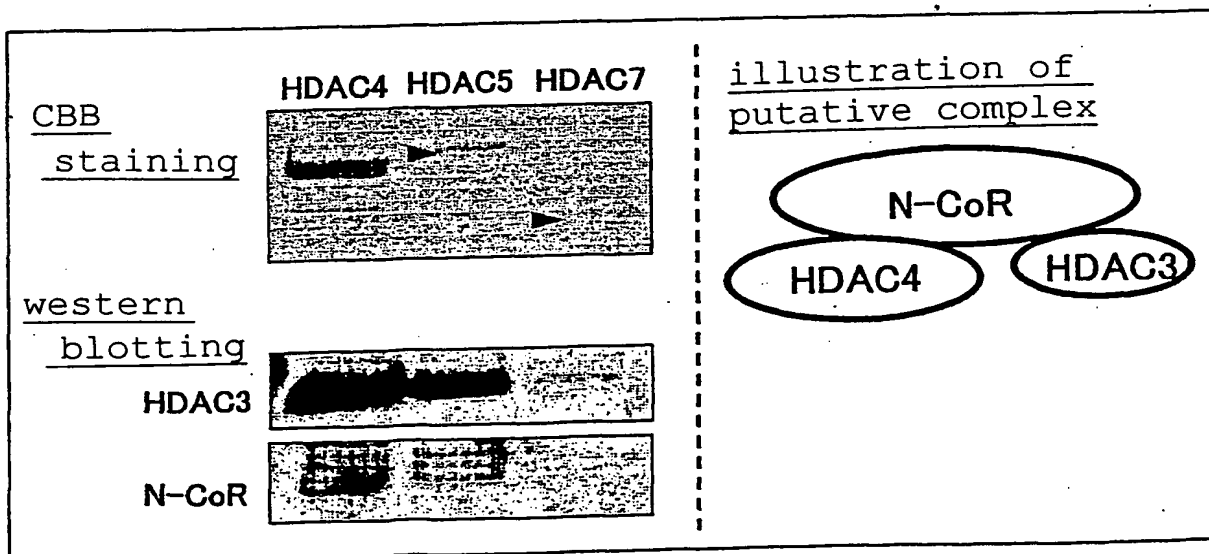


FIG. 11



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FIG. 12

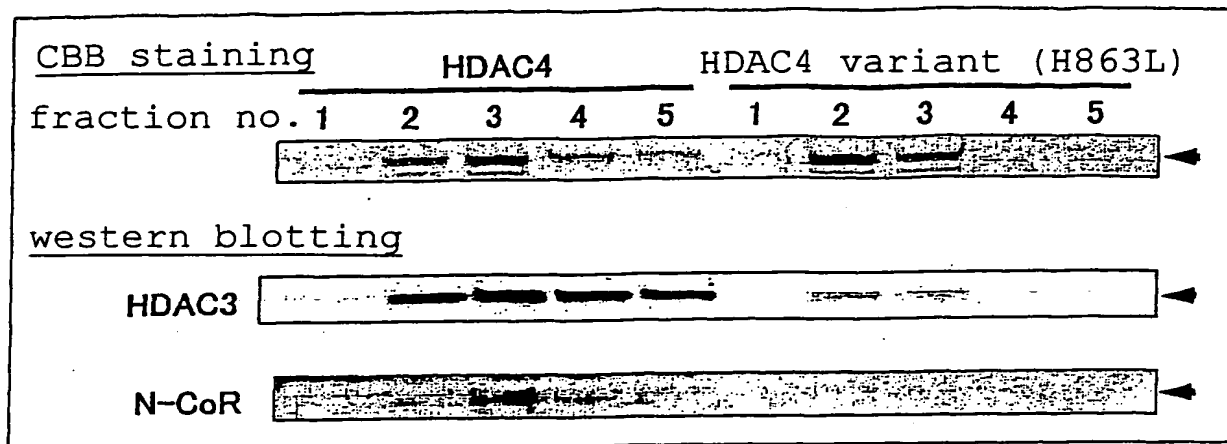
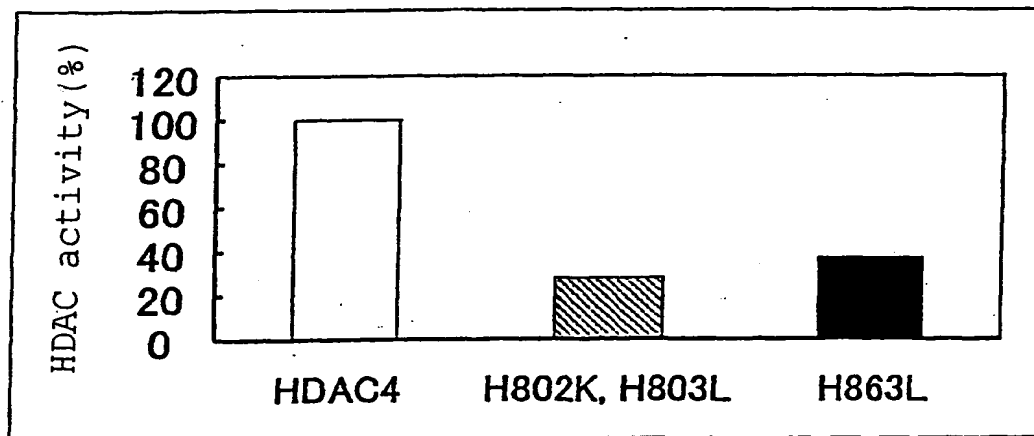


FIG. 13



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FIG. 14

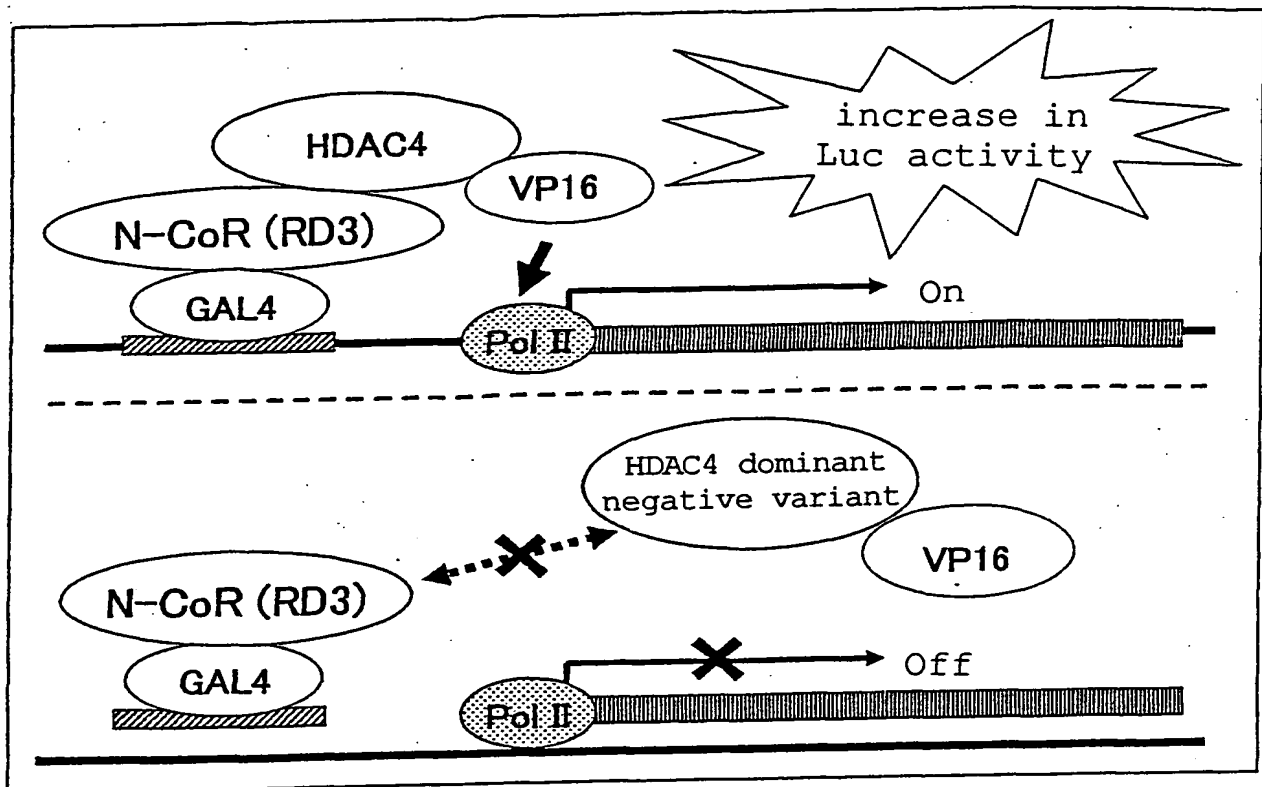
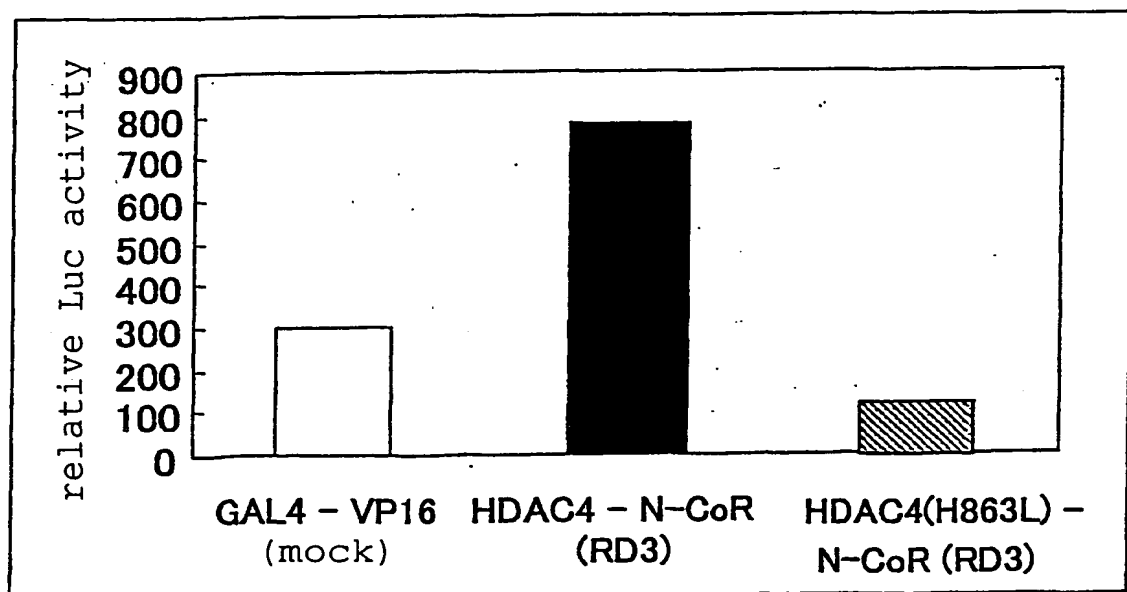


FIG. 15



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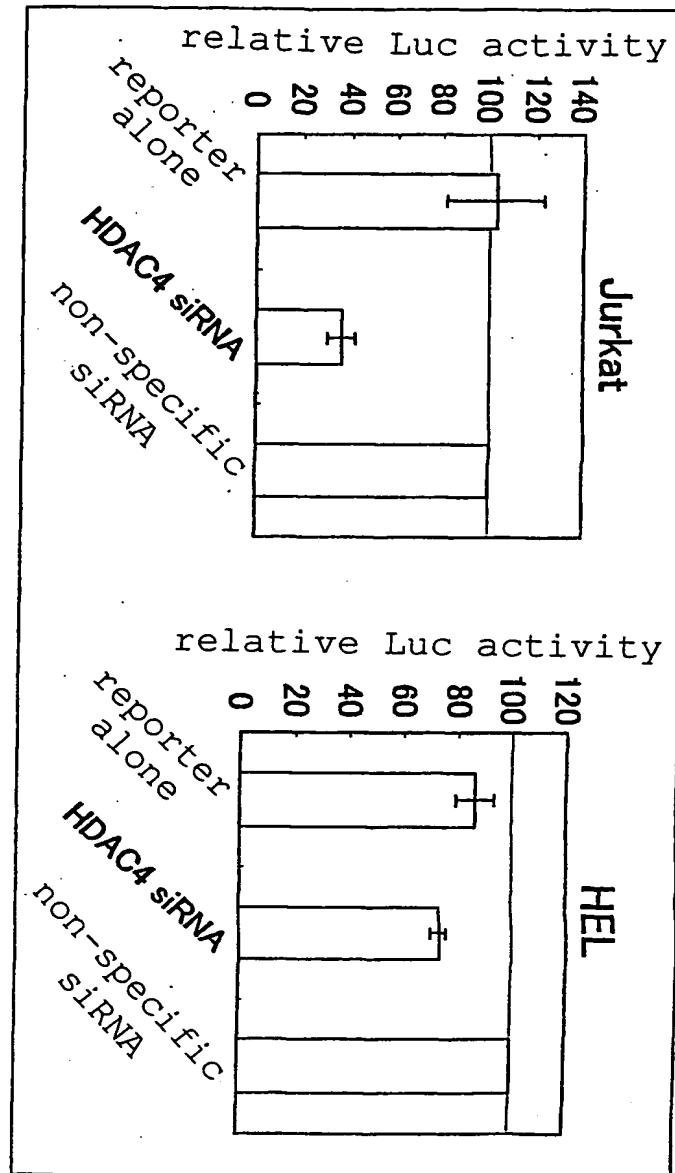


FIG. 16